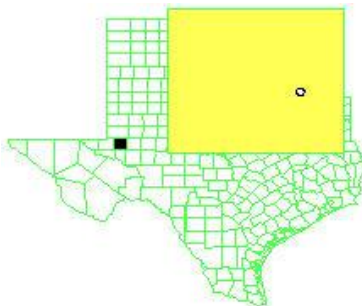


EAST 67th STREET (ECTOR COUNTY) ODESSA, TEXAS

**EPA ID# TXN000606614
Site ID: 0606614**



**EPA REGION 6
CONGRESSIONAL
DISTRICT 11**

**Contact: Vincent Malott
214-665-8313**

Last Updated: October 2012

Background

The Site is located in Ector County, Texas, immediately north of the Odessa City limits. The Site consists of a contaminated ground water plume originating from an intentional release of over 15,000 gallons of alcohol and naptha based solvents along with 635 gallons of PCE from the former Delta Chemical facility (now Brenntag) located on East 67th Street. The contaminant plume is located along 67th Street between Yukon Road to the north and VFW Lane to the south, and Andrews Highway to the west and Alderfer Avenue to the east. The Trinity aquifer is the only ground water source for drinking water in the site area. The Triassic red beds form the base of the aquifer. Ground water flow in the aquifer is generally to the east-northeast.

The TCEQ has installed filtration systems on 13 private wells with contamination exceeding the drinking water limits established under the Safe Drinking Water Act.

Current Status

The Remedial Design for the implementation of the site-wide cleanup plan has begun. The Record of Decision was signed in September 2011 after a public comment period for the proposed remedy was closed in September 2010. The selected remedy includes a Installation of a water supply line from the City of Odessa to a planned service area along a section of East 67th Street between Andrews Highway and Alderfer Avenue, a section of Stevenson Avenue between East 68th Street and VFW Lane, and a section of Alderfer Avenue between East 68th Street and East 67th Street. This remedy component includes installation of individual connections to homes and businesses with private water supply wells currently or potentially impacted by the ground water contamination. The monthly costs for water usage will be the responsibility of the resident or business at a rate set by the City of Odessa.

The second remedy component includes injection of amendments to enhance natural degradation of tetrachloroethene and other contaminants by installing injection wells in the plume interior to target higher concentration areas, and installation of a ground water extraction and treatment system for hydraulic containment of the plume front.

The third remedy component includes installation of a soil vapor extraction system to remove the residual contamination beneath the former Delta Solvents facility and surrounding property, injection of amendments to enhance natural degradation of tetrachloroethene and other contaminants in the ground water present above the Trinity aquifer, and abandonment and replacement of selected private supply wells that act as a conduit for vertical migration between the upper zone and the Trinity aquifer.

Benefits

The selected remedy will address the current and future human exposure to the ground water contamination and the restoration of the aquifer to its beneficial uses.

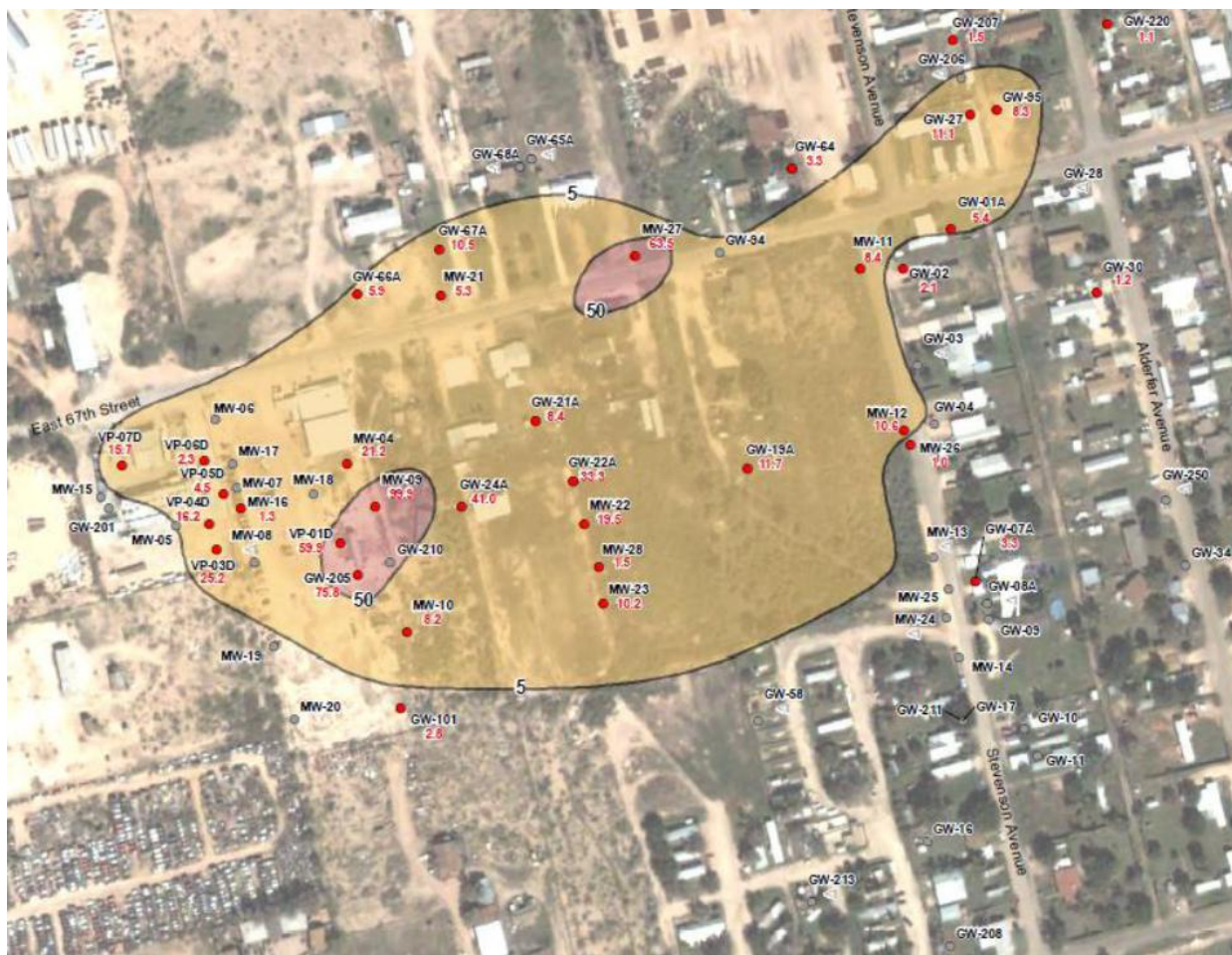
National Priorities Listing (NPL) History

NPL Inclusion Proposal Date: September 27, 2006

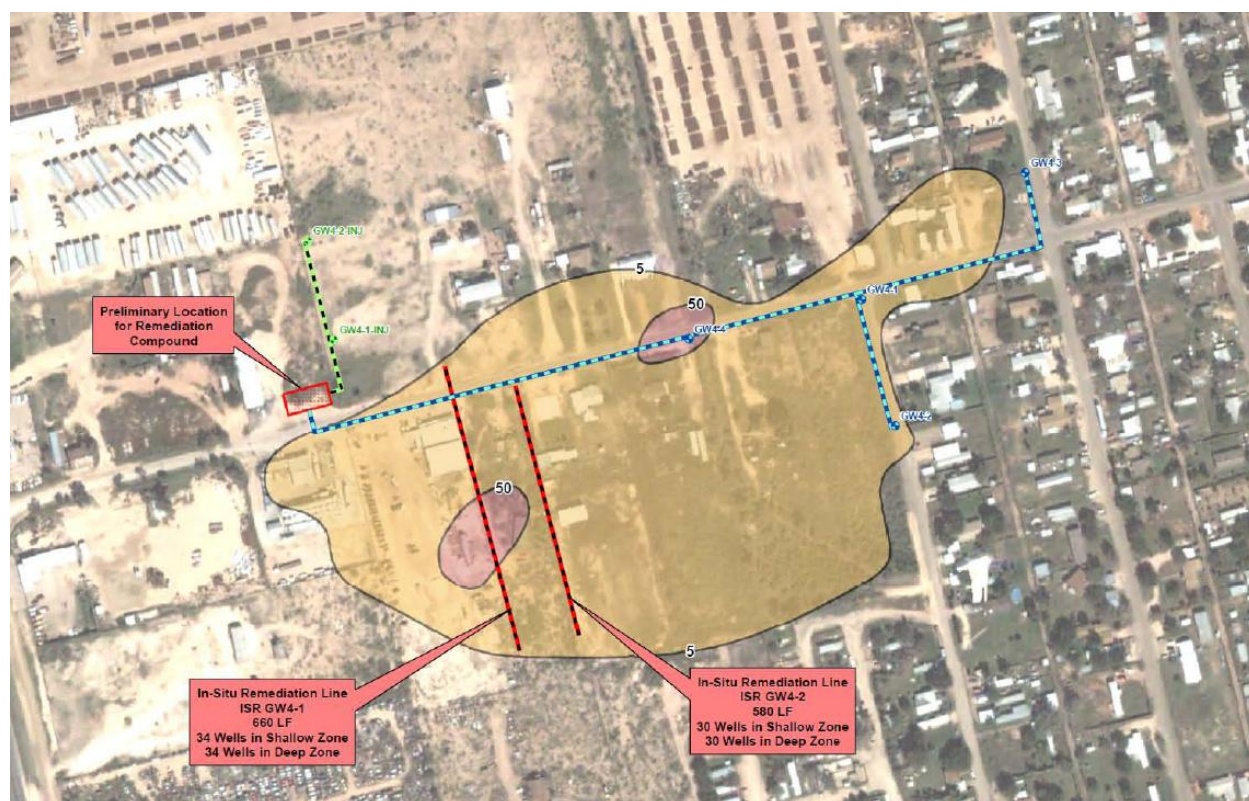
NPL Inclusion Final Date: March 7, 2007

Site Map

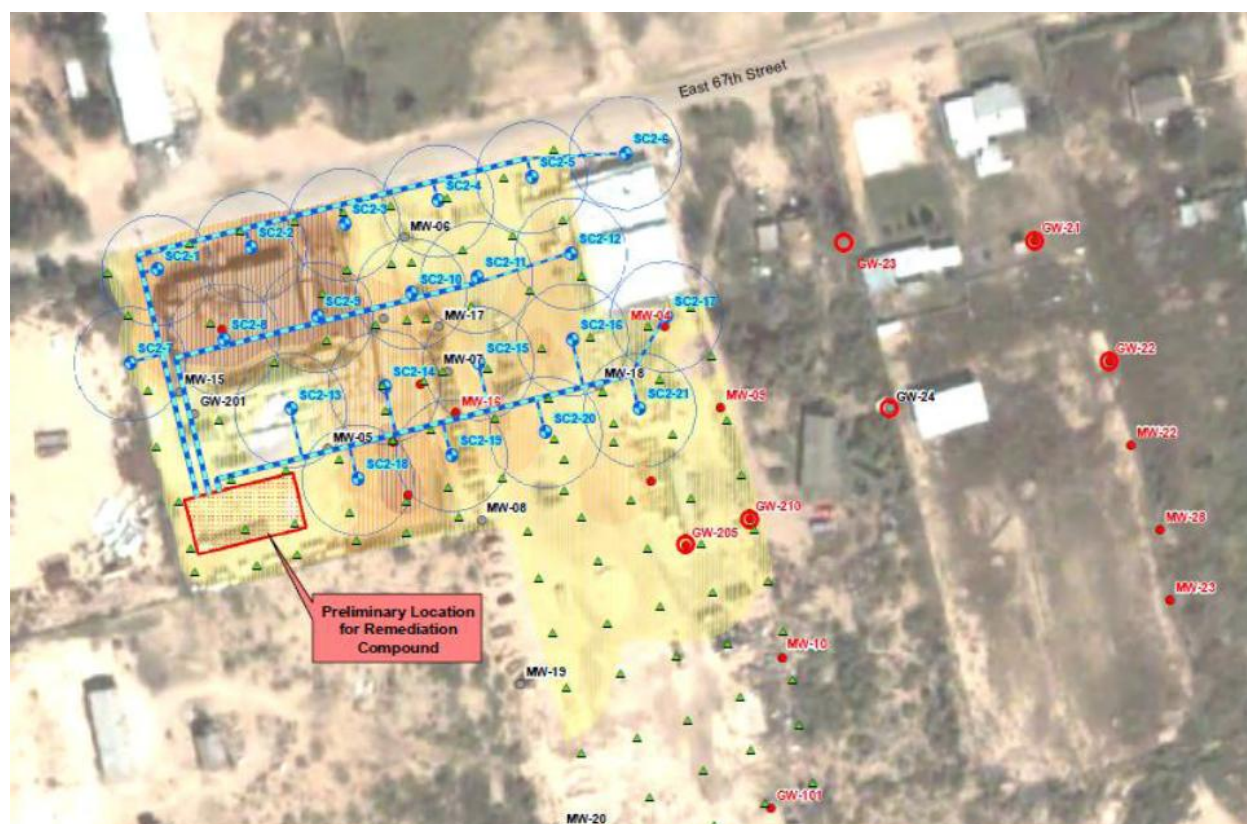
The site map illustrates the PCE plume as defined by the 5 µg/L drinking water limit and the higher concentrations greater than 50 µg/L. The PCE concentrations greater than the laboratory detection limit are marked in red numbers.



The site map illustrates the remedy for containing the PCE plume and reducing the higher PCE concentrations with in-situ bioremediation as outlined in the Proposed Plan.



The site map illustrates the soil vapor extraction well locations (blue circles) for reduction of residual source area contamination as outlined in the Proposed Plan.



The following site map illustrates the water line layout to replace the existing filtration systems installed by the TCEQ. The water line extension is marked in "blue" and will provide service to affected residents along a portion of East 67th Street, Stevenson Avenue between East 68th Street and VFW Lane, and along Alderfer Avenue between East 68th Street and East 67th Street.



Wastes and Volumes

The ground water plume contains tetrachloroethene (PCE), trichloroethene (TCE), and cis 1,2-dichloroethene (cis 1,2-DCE). The site is being evaluated as a ground water plume of PCE and TCE with no identified source. The maximum observed concentration of PCE is 100 micrograms per liter [$\mu\text{g/L}$ or per billion (ppb)]. The outer boundary of the plume has not yet been defined but the existing sample data obtained from the private water wells has indicated a plume of at least 0.3 by 0.3 mile in size.

Health Considerations

There is no other potable water supply for the residents. Human exposure is currently prevented through ground water sampling and the use of filtration systems on individual private wells.

Record of Decision (ROD)

A Record of Decision was signed in September 2011.

Community Involvement

The EPA held a public meeting for the proposed plan on September 2, 2010.

Site Contacts

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Information Repository: Ector County Public Library in Odessa, Texas